

Nutanix Enterprise Cloud addresses manufacturing IT infrastructure needs across datacenters, production, and distribution locations

Enterprise Clouds for the Manufacturing Industry

No matter what type of manufacturing you're involved in—heavy industry, consumer goods, transportation and logistics, life sciences—your teams are working hard to improve IT processes, implement analytics, and integrate with existing IT applications while controlling costs. In an increasingly competitive business environment, it's imperative to continue to increase operational efficiency and enhance customer engagement. But with technology changing so rapidly, it can be difficult for any manufacturer, regardless of size, to keep pace.

Nutanix helps you increase operational efficiency and focus on enhancing customer experiences instead of maintaining IT infrastructure. The Nutanix Enterprise Cloud leverages the industry's most popular hyperconverged technology with comprehensive operations management and an automation and orchestration framework to deliver any application with one-click simplicity. Nutanix can help you simplify and accelerate operations, speed the delivery of new services, tackle big data analytics, and streamline your database and VDI deployments.

“You have a single point of management—there is no storage management, fiber management, node management. That's all just gone away...The Nutanix Enterprise Cloud Platform gives us the freedom of growth... It's just blown away all those performance issues. We have no downtime anymore, and we minimized the IT risk for our business case.”

– Johannes Michel,
IT Architect, GOB Systems
(Integration Partner, Fond of Bags)

SIMPLIFY GLOBAL IT OPERATIONS

Nutanix Enterprise Cloud makes IT infrastructure invisible by converging servers, storage, data protection, virtualization, and networking with one-click operations, full application automation, and multi-cloud management. The result is a solution that isn't just suited for your datacenter, it satisfies infrastructure requirements across your operations, enabling flexible virtualized compute, storage, and data analytics capabilities everywhere they're needed. With its compact footprint and simplified remote management, Nutanix is the perfect platform for your production facilities and distribution centers.

With Nutanix Enterprise Cloud, all infrastructure hardware and software is managed through Nutanix Prism, streamlining common IT workflows and providing a single interface for managing servers, storage, data protection, and virtualization. Simple and intuitive one-click management reduces the administrative burden and the potential for operator error while eliminating the need for planned downtime. Any task that can be performed via Prism can also be automated using REST APIs or PowerShell scripts.

STREAMLINE APPLICATION MANAGEMENT

Manufacturing relies on a set of mission-critical business applications including: ERP, CRM, SCM, transportation and logistics, financials, HR, and more. You may have some or all of these applications deployed on specialized and dedicated infrastructure, adding cost and complexity to your operations.

With Nutanix Enterprise Cloud, you can run these applications on the same validated infrastructure with no negative performance or availability impact, enabling greater consolidation, reducing complexity, and substantially reducing total cost of ownership (TCO).

Exceptional Performance and Availability

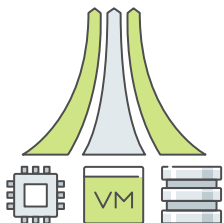
Nutanix Enterprise Cloud delivers the performance necessary for intensive database applications without the complexity of dedicated infrastructure. A compact 2U, four-node Nutanix cluster is capable of handling the performance needs of a demanding Oracle database environment. Low I/O latency results in excellent application responsiveness.

Along with high performance, Nutanix Enterprise Cloud delivers exceptional availability. It exceeds the capabilities of traditional infrastructure with a self-healing architecture that restores full resiliency without operator intervention. One-click non-disruptive upgrades eliminate planned downtime.

Applications, Not Infrastructure

In the end, you care about applications and digital services, not infrastructure. With Nutanix, infrastructure fades into the background, so your team can focus on deploying and managing the applications that will move your business into the future.

Nutanix Calm is a key part of this evolution. Calm simplifies the deployment and management of custom applications by incorporating all elements of each application into an easy-to-use blueprint, making the deployment and lifecycle management of applications automated and repeatable across both private and public cloud environments.



Full-stack Infrastructure for Any Application, at Any Scale



One-click Operations for Cloud-like Automation



Pay-as-you-grow Consumption for Lower TCO

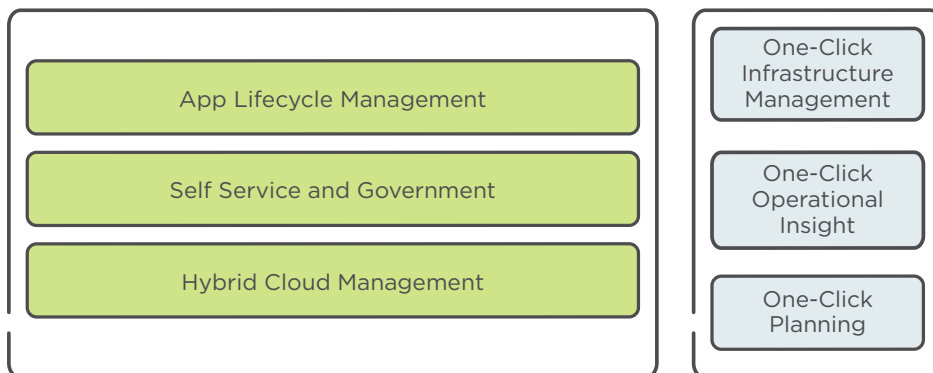


Application Mobility that Eliminates Technology Lock-in



Prism

Calm



This means, for example, that you can deploy a new application quickly in multiple facilities and be certain that everything is configured correctly. And, you can use the same blueprints to deploy instances of your applications in public clouds such as Azure, Google Cloud Platform, or AWS.

ENABLE BIG DATA ANALYTICS

Analytics is an area where many manufacturers struggle. Deploying and managing big data analytics often poses significant challenges for already over-burdened IT teams. To keep up with the onslaught of data from new Internet of Things (IoT) sensors, you may need to deploy and manage infrastructure to perform analytics close to the data—in production, distribution, and other facilities. That infrastructure must scale with the growth of data and provide the flexibility to switch workloads easily.

CABLE MANUFACTURER FUELS GROWTH WITH ENTERPRISE CLOUD

Fast-growing cable manufacturer Polycab Wires found its growth hindered by the limitations of its existing IT infrastructure. With Nutanix Enterprise Cloud, it consolidated business-critical workloads and enabled long-term digital transformation while increasing application performance 70%, reducing power, space, and cooling by 60%, and reducing management

“The Nutanix Enterprise Cloud Platform performs intelligent self-monitoring; identifying and fixing problems itself without any downtime or user intervention, slashing the time spent managing and monitoring the infrastructure by a massive 98%.”

– Hasan Ali,
Deputy IT Manager,
Polycab Wires

Nutanix Enterprise Cloud:

- Virtualizes big data analytics, greatly improving scalability and flexibility
- Reduces upgrade complexity
- Improves resiliency

With Nutanix Enterprise Cloud, you no longer have to deploy bare-metal servers. Your analytics can run on the same shared infrastructure as other applications, eliminating silos, simplifying infrastructure management, and reducing costs.

TAKE CONTROL OF VIRTUAL DESKTOP INFRASTRUCTURE

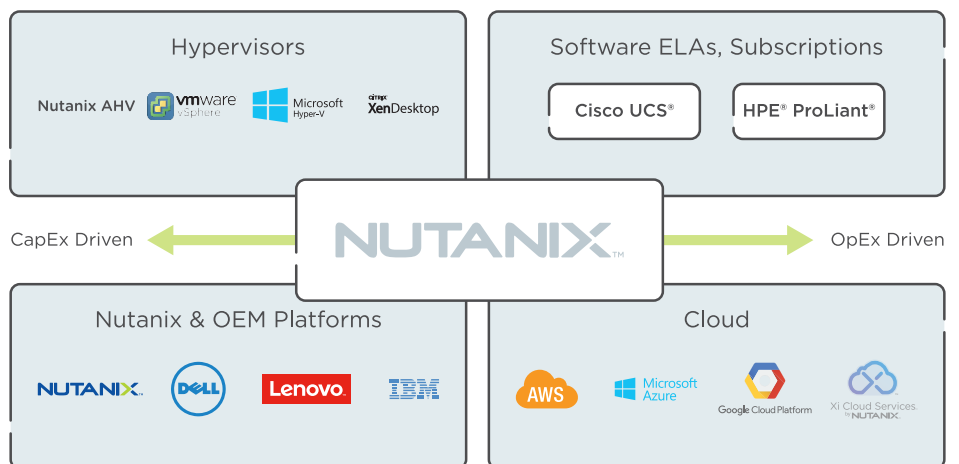
Manufacturers have discovered that virtual desktop infrastructure (VDI) and application virtualization are a perfect fit. With VDI, your users can access their desktops and information from anywhere, even while traveling, while data remains secure inside your datacenter. However, IT teams have discovered the hard way that VDI is far more challenging to manage than server virtualization. Demands can swing wildly depending upon usage patterns, the time of day, and the applications being used. Boot storms, anti-virus scans, and patch updates all put sudden loads on the infrastructure and slow down performance for end-users.

Nutanix Enterprise Cloud is the ideal platform to support your VDI needs, making VDI much easier to deploy and manage and allowing you to:

- Deliver a great experience for all user types
- Start small and scale to 10,000's of users without re-architecting
- Deploy validated end-to-end solutions 8x faster
- Slash TCO by as much as 60% and pay as you grow
- Reduce both planned and unplanned downtime

More Options, More Freedom

Most IT solutions have significant limitations that leave your IT teams constrained. By focusing on software, Nutanix transcends the limitations of competing solutions.



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Extensive Hardware Choice

Nutanix Enterprise Cloud OS runs on multiple platforms, including DellEMC XC Series, Lenovo HX, IBM Power, Cisco UCS, and HPE ProLiant—in addition to Nutanix-branded NX hyperconverged appliances. You can take advantage of the benefits of Nutanix Enterprise Cloud without sacrificing important business relationships.

Support for All Popular Hypervisors

Other solutions lock you into just one or two hypervisor choices, but it's a multi-hypervisor world. Nutanix Enterprise Cloud supports all popular virtualization solutions including VMware vSphere, Microsoft Hyper-V, and Citrix XenServer.

Nutanix's native hypervisor, AHV, is included with your Nutanix purchase. AHV eliminates hypervisor licensing costs while delivering all the functionality you expect and integrating even more closely with your Nutanix environment.

A More Flexible Cost Model

As your IT organization evolves, your cost structure must evolve with it. Nutanix Enterprise Cloud enables more flexible funding models:

- Continue to use a CapEx model for baseline resources
- Adopt an OpEx model where maximum flexibility and agility is needed

You may need to ramp up resources to address seasonal business demands. With Nutanix Enterprise Cloud, you have multiple options for obtaining additional resources:

- Spin up the application instances you need in a public cloud
- Contract with an X-Powered Service Provider
- Lease equipment for maximum flexibility without sacrificing control

By contracting for the resources you need only when you need them, your IT operations achieve much higher efficiency and lower costs.

READY TO TRANSFORM?

When you're ready to transform your datacenter, your IT operations, and your business, Nutanix serves as a trusted partner. To learn more about how Nutanix can help you transform your manufacturing operations contact Nutanix at info@nutanix.com, follow us on Twitter [@nutanix](https://twitter.com/nutanix), or send us a request at www.nutanix.com/demo to set up your own customized briefing.



T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | [@nutanix](https://twitter.com/nutanix)

HYUNDAI AUSTRALIA GOES ALL-IN ON ENTERPRISE CLOUD

Hyundai turned to Enterprise Cloud to deliver availability and performance for VDI—but quickly expanded to other critical workloads.

"The idea was to just run VDI on Nutanix, but because we saw such perfect performance we started migrating other workloads. We're now running our entire production on Nutanix."

"It used to take hours, even days to provision servers, now it takes minutes. I joke with my colleagues that it takes us longer to actually open the boxes than it does to deploy servers these days."

– Kawa Farid,
Director, Infrastructure & Operations,
Hyundai Australia

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. The result is predictable performance, cloud-like infrastructure consumption, robust security, and seamless application mobility for a broad range of enterprise applications. Learn more at www.nutanix.com or follow us on [Twitter @nutanix](https://twitter.com/nutanix).

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